



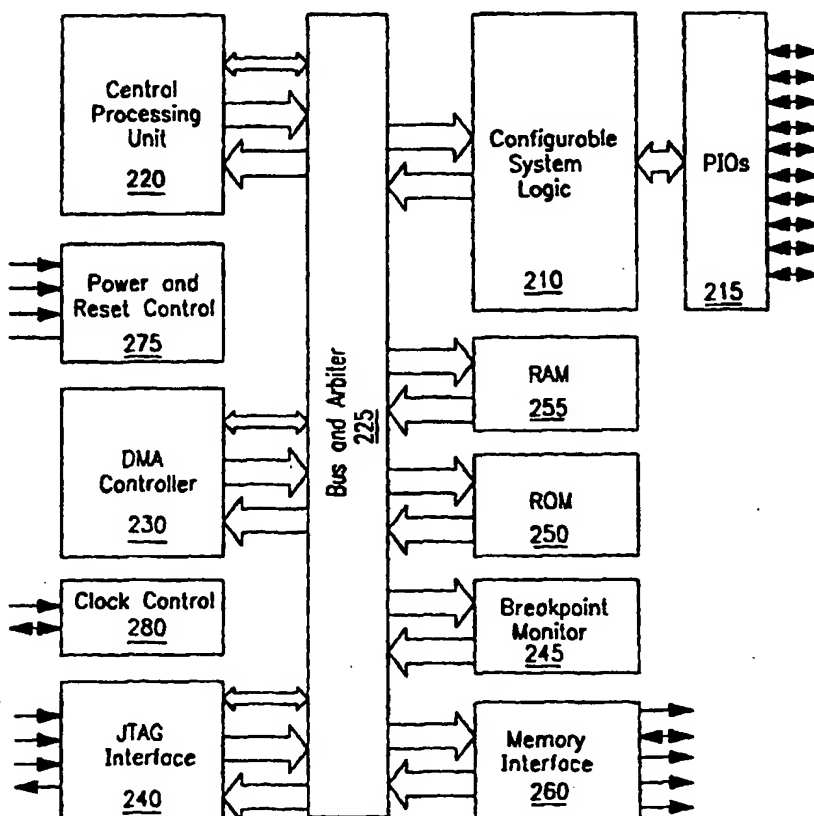
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(71) Applicant: TRISCEND CORPORATION [US/US]; 301 N. Whisman Road, Mountain View, CA 94043 (US).			
(72) Inventors: WINEGARDEN, Steven, Paul; 1063 Silver Tip Way, Sunnyvale, CA 94086 (US). REYNOLDS, Bart; 1668 East Boston Terrace, Seattle, WA 98112 (US). FOX, Brian; 865 Fremont Street, Santa Clara, CA 95050 (US). ALLEGRUCCI, Jean-Didier; 658 Cheshire Way, Sunnyvale, CA 94087 (US). KRISHNAMURTHY, Sridhar; 4321 Verdigris Circle, San Jose, CA 95134 (US). TAVANA, Danesh; 2524 Fairbrook Drive, Mountain View, CA 94040 (US). ZIKLIK, Arye; 1391 Lewiston Drive, Sunnyvale, CA 94087 (US). PAPALIOLOS, Andreas; 1338 Torrance Avenue, Sunnyvale, CA 94089 (US). YANG, Stanley, S.; 1574 Honey-suckle Place, Los Altos, CA 94024 (US). LEE, Fung, Fung; 1213 Moulton Drive, Milpitas, CA 95035 (US).		Published With international search report.	
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(54) Title: CONFIGURABLE PROCESSOR SYSTEM UNIT

(57) Abstract

The configurable processor system includes a processor, an internal system bus, and a programmable logic all interconnected via the internal system bus, on a single integrated circuit.



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INTERNATIONAL SEARCH REPORT

In national Application No

PCT/US 99/24114

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F15/78 G06F12/06 G06F9/445 G06F11/00 G06F11/20
G06F17/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	page 3, line 57 -page 4, line 5; figures 2, 3A	
X	page 4, line 32 - line 47; figure 2	16, 77-79
Y		12-15
Y		20-25
Y		27-30
Y		31-33
Y		34-37, 39-45, 47-58
	page 10, line 25 - line 37 --- -/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

13 April 2000

Date of mailing of the international search report

25/04/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Thibaudeau, J

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/24114

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	column 4, line 14 - line 25; figure 1	64-75
Y	column 8, line 55 -column 9, line 11; figure 11A	7-10, 60
Y	----	12-15
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International Application No.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 99/ 24114

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims: it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-6,26,59,64-76,80

INTERNAL BUS OF THE CONFIGURABLE PROCESSOR SYSTEM UNIT

2. Claims: 1,7-10,60,76,80

ADDRESS MAPPER IN A CONFIGURABLE PROCESSOR SYSTEM UNIT

3. Claims: 1,12-15,76,80

BOOTSTRAPPING FROM A ROM IN A CONFIGURABLE PROCESSOR SYSTEM UNIT

4. Claims: 1,16-19,61-63,76-80

EXTERNAL MEMORY AND DIRECT MEMORY ACCESS IN A CONFIGURABLE PROCESSOR SYSTEM UNIT

5. Claims: 1,20-25,76,80

HARDWARE DEBUGGER IN A CONFIGURABLE PROCESSOR SYSTEM UNIT

6. Claims: 1,11,27-30,76,80

CONFIGURATION OF THE PROGRAMMABLE LOGIC IN A CONFIGURABLE PROCESSOR SYSTEM UNIT

7. Claims: 1,31-33,76,80

EXPORT OF INTERNAL REGISTERS IN A CONFIGURABLE PROCESSOR SYSTEM UNIT

8. Claims: 1,34-58,76,80

PROGRAMMABLE LOGIC OF A CONFIGURABLE PROCESSOR SYSTEM UNIT AS AN ARRAY OF BANKS

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 99/24114

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